

1021-1511

9/10/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. Thomas Lennan
McLaughlin Gormley King Company
8810 Tenth Avenue North
Minneapolis, MN 55427

SEP 10 2013

Dear Mr. Lennan:

Subject: Application for Pesticide Notification (PRN 98-10)
Add approved alternate brand name to master label
Add optional logo and marketing tagline graphic
MGK PBO 8E
EPA Reg. No. 1021-1511
Your submission dated April 23, 2013

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated April 23, 2013 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions regarding this letter, please contact Dana Pilitt, PhD of my staff at (703) 305-7071 or via e-mail at pilitt.dana@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Gebken".

Richard Gebken
Product Manager 10
Insecticide Branch
Registration Division (7505P)

10021-1511 D 478371

United States Environmental Protection Agency Washington, DC 20460	Registration Amendment Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 1021-1511	2. EPA Product Manager Richard Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) MGK ® PBO 8-E	PM# 10	
5. Name and Address of Applicant (Include Zip Code) McLAUGHLIN GORMLEY KING COMPANY 8810 TENTH AVENUE NORTH MINNEAPOLIS, MN 55427 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification pursuant to PR-Notice 98-10

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. 6X1Pint 4X1Gallon 6X1Quart 1X55Gallon	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wgt. No. per container		<input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)	
3. Location of Net Contents information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 Pint 1 Gallon 1 Quart 55 Gallon		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Thomas A. Lennan	Title Regulatory Affairs Specialist	Telephone No. (Include Area Code) (763) 544-0341
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
3. Title Regulatory Affairs Specialist		
4. Typed Name Thomas A. Lennan	5. Date 4/23/2013	

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MGK® PBO 8-E (ABN: Exponent Insecticide Synergist)

- [Graphic: MGK Logo] [MGK® Insect Control Solutions]
- For use as a synergist in a tank mix to aid in improving the control of insects
- Aids in inhibiting mixed function oxidative resistance in insects
- Raises level of control by increasing insect susceptibility to insecticides
- For use in livestock and poultry areas
- For use in Food Areas of Food Handling Establishments
- Can be tank-mixed with Suspend® SC, Demand® CS, Talstar®, Temprid®, Tempo®, Cy-Kick® CS, Onslaught, Dagnet® and other pyrethroid insecticides
- Enhances efficacy of pyrethroid insecticides
- Enhances efficacy of Suspend® SC, Demand® CS, Talstar®, Temprid®, Tempo®, Cy-Kick® CS, Onslaught, Dagnet® and other pyrethroid insecticides
- Reduces insects ability to metabolize pyrethroid insecticides
- Reduces (Blocks) insects metabolic resistance process
- Enhances efficacy against MFO resistant insects
- Can be added to Residential Misting Systems
- Makes insects more susceptible to insecticides
- Increases killing power by making insects more susceptible to insecticides
- Tank-mix Partner
- Tank-mix with pyrethroid insecticides for enhanced efficacy
- Labeled for mosquito misting systems

ACTIVE INGREDIENT:

*Piperonyl butoxide 91.30%

OTHER INGREDIENTS..... 8.70%

100.00%

*(butylcarbityl) (6-propylpiperonyl) ether and related compounds.

MGK® - Registered trademark of McLaughlin Gormley King Company

KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> ▪ Call a poison control center or doctor immediately for treatment advice. ▪ Have person sip a glass of water if able to swallow. ▪ Do not induce vomiting unless told to do so by a poison control center or a doctor. ▪ Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> ▪ Hold eye open and rinse slowly and gently with water for 15-20 minutes. ▪ Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. ▪ Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> ▪ Take off contaminated clothing. ▪ Rinse skin immediately with plenty of water for 15-20 minutes. ▪ Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> ▪ Move person to fresh air. ▪ If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. ▪ Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-888-740-8712.	

Manufactured by



8810 Tenth Avenue North
Minneapolis, MN 55427

EPA Reg. No. 1021-1511

EPA Est. No. 1021-MN-2

Net Contents: _____

NOTIFICATION

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DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protection equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or Tribe, consult the agency responsible for pesticide regulation.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as soil or water, is:

- Coveralls, Shoes plus socks, and
- Chemical-resistant gloves made of any waterproof material.

STRUCTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR, Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter until sprays have dried.

Do not enter or allow others to enter until vapors, mists, and aerosols have dispersed, and the treated area has been thoroughly ventilated.

Except when applying directly on animals or animal premises, do not apply this product in a way that will contact workers or other persons either directly or through drift.

Except when applying directly on animal or animal premises, only protected handlers may be in the area during application.

This product is an emulsifiable concentrate for use in a tank mix with insecticides and acaricides to aid in improving the control of insects and mites. MGK® PBO 8-E is a synergist that aids in blocking oxidative resistance that may develop in insects and mites and has no insecticidal properties of its own.

GENERAL PRECAUTIONS AND USE RESTRICTIONS

- Do not apply this product in a way that will contact adults, children, or pets, either directly or indirectly through drift. Only protected handlers may be in the area during application.
- Do not wet plants to the point of runoff or drip.
- Do not use treated article before it is dry.
- Do not apply directly to water, storm drains, or drainage ditches. To prevent product runoff, do not over water the treated area(s) or apply when heavy rain is expected. Rinse applicator over lawn or garden area only.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- Always test final spray solution in an inconspicuous area prior to use as some fibers or surfaces may be adversely affected by an application of this, or any liquid product.
- Do not use in aircraft cabins except in compliance with PR Notice 96-3.
- In absence of specific data or experience on growing plants, trees and ornamentals (outdoors, in greenhouses or indoors), it is recommended that tank-mixes with MGK® PBO 8-E be tested for any phytotoxicity on a representative sample of the growing plants prior to use.
- Do not tank mix MGK® PBO 8-E with any product having label prohibitions against such mixing.

Application Types:

MGK® PBO 8-E may be applied via ground application units, hand-held sprayers, power sprayers, backpack sprayers, misting systems, foggers and ULV applicators, and chemigation.

Indoor and Outdoor Non-Crop Mixing Chart:

MGK® PBO 8-E can be tank mixed with any insecticide product unless prohibited by that insecticide's label.

THE PURPOSE OF THIS CHART IS SOLELY TO RECOMMEND THE RATE OF MGK® PBO 8-E PER GALLON OF WATER. PLEASE REFER TO CURRENT TANK MIX PARTNER LABEL TO DETERMINE THE RATE OF THAT SPECIFIC PRODUCT THAT IS APPROPRIATE FOR YOUR APPLICATION.

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Application Type	Recommended MGK PBO 8-E Mix Rate per gallon	% Active	Maximum Single Application
Surface General and Crack & Crevice or Spot	Light Infestation	0.5 fl. oz.	0.35%
	↕	1.0 fl. oz.	0.71%
		1.5 fl. oz.	1.07%
		Heavy Infestation	2.0 fl. oz.
Space Spray	Light Infestation	0.25 fl. oz.	0.18%
	↕	0.50 fl. oz.	0.35%
		0.75 fl. oz.	0.53%
		Heavy Infestation	1.00 fl. oz.

STRUCTURAL USE DIRECTIONS:

MGK® PBO 8-E STRUCTURAL USE RATES and RESTRICTIONS:

After treatment, do not allow children and pets into treated areas until spray has dried.

When used as a space spray do not exceed 0.4 fl. oz. of MGK® PBO 8-E per 1000 cu. ft. of space treated.

When used as a crack and crevice, broadcast surface spray or spot treatment do not exceed 8.0 fl. oz. of MGK® PBO 8-E per 1000 sq. ft. of space treated.

WHEN TANK MIXING, ALWAYS FOLLOW THE MOST RESTRICTIVE LABELING OF ALL PRODUCTS IN THE MIXTURE.

MGK® PBO 8-E MAY BE USED IN A TANK MIX WITH INSECTICIDES LABELED FOR USE IN THE FOLLOWING AREAS OR USE PATTERNS:

RESIDENTIAL DWELLING AND COMMERCIAL, INSTITUTIONAL INDOOR SITES: Sites such as Homes, Multiple Unit Housing, Hotels, Schools, Restaurants, Food Processing Facilities, Food Storage and Warehousing, Bakeries, Residential Facilities, Healthcare Facilities, Warehouses, Office Buildings, Factories, Home Exteriors, and Industrial Facilities.

Do not apply more than 1 time per day.

Do not make space spray application when facility is in operation.

Remove or cover exposed food and drinking water before application.

Remove or cover dishes, utensils, food processing equipment and food preparation surfaces, or wash them with a suitable detergent and rinse with potable water before use.

Direct application to food contact surfaces is prohibited.

Ventilate well prior to reentry or reoccupation.

Allow spray to dry prior to reentry.

NON-FOOD AREAS: MGK® PBO 8-E may be used to treat nonfood areas. Nonfood areas include (but not limited to) areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets, and storage (after canning or bottling).

TREATMENTS IN FOOD HANDLING ESTABLISHMENTS (Places other than private residences in which food is held, processed, prepared or served):

FOOD AREAS: MGK® PBO 8-E can be used to treat food areas of food handling establishments, restaurants, or other areas where foods are commercially prepared or served.

FOOD STORED IN BAGS: MGK® PBO 8-E can be used as a space spray made to the surfaces of bags of stored food products. Do not exceed 0.4 fl. oz. MGK® PBO 8-E per 1,000 cubic ft. of space treated.

GENERAL OUTDOOR SITES: Sites such as Non-Agricultural rights of way, Commercial, Industrial and Institutional Premises and Outdoor Eating Establishments. Including Parks, Landscape, Turf, Home Exteriors, Buildings, Industrial Facilities, Equipment.

When used as a broadcast surface spray, do not exceed 1.2 fl. oz. of MGK® PBO 8-E per 1000 sq. ft. treated.

When used as a crack and crevice or spot surface treatment, do not exceed 8.0 fl. oz. of MGK® PBO 8-E per 1000 sq. ft.

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OUTDOOR ORNAMENTAL AND LAWNS: Sites such as Trees, Shrubs, Flowers, Foliage Plants, Lawns, Yards, Turf Grass, Golf Courses, Parks, Landscape.

When used as a broadcast surface application, do not exceed 0.32 fl. oz. of MGK® PBO 8-E per 1000 sq. ft.

When used as a crack and crevice or spot surface treatment (including applications for fire ants or turf diagnostic aid), do not exceed 8.0 fl. oz. of MGK® PBO 8-E per 1000 sq. ft.

OUTDOOR AGRICULTURAL PREMISES:

When used as a broadcast surface spray, do not exceed 0.32 fl. oz. of MGK® PBO 8-E per 1000 sq. ft. treated.

For growing plants that will be consumed as food, do not exceed 0.384 fl. oz. (2.3 teaspoons) of MGK® PBO 8-E per 1000 sq. ft. treated.

For crack and crevice, or spot surface sprays (including applications for fire ant applications or turf diagnostic aid), do not exceed 8.0 fl. oz. of MGK® PBO 8-E per 1000 sq. ft. treated.

PET PREMISE TREATMENT:

May be used in a space spray application for pet premises. Do not exceed 0.5 fl. oz. of MGK® PBO 8-E per 1000 cu. ft. treated.

For broadcast surface sprays, or crack and crevice or spot surface treatments, do not exceed 8.0 fl. oz. of MGK® PBO 8-E per 1000 sq. ft. treated.

DIRECT APPLICATION TO LIVESTOCK, DAIRY AND POULTRY ANIMALS:

MGK® PBO 8-E may be tank mixed with insecticides labeled for application directly to Non-domestic animals (including lactating dairy animals, meat and poultry animals). Do not apply microencapsulated product to lactating or food animals.

LIVESTOCK, DAIRY AND POULTRY PRODUCTION FACILITIES AND PREMISES:

MGK® PBO 8-E may be tank mixed with insecticides labeled for use in and around Livestock, Dairy and Poultry Production Facilities, Indoor Agricultural Premises, Commercial Animal Housing and Equipment to improve control of flying and crawling insects.

When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects.

Remove or cover milking utensils before application. Wash teats of animals before milking.

Do not apply this product in barns or stables where animals intended for slaughter or human consumption will be maintained. Do not apply when food, feed, and/or water is present.

WHEN ANIMALS ARE NOT PRESENT:

When used as a space spray, do not exceed 4.0 fl. oz. of MGK® PBO 8-E per 10000 cu. ft. of space treated.

For surface applications, crack and crevice, or spot surface treatments, do not exceed 8.0 fl. oz. per 1000 sq. ft.

AS A SPACE SPRAY WHEN ANIMALS ARE PRESENT:

May be used in a space spray when non-domestic animals are present. Do not exceed 1.28 fl. oz. of MGK® PBO 8-E per 1000 cu. ft. of space treated per day.

When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

DIRECTIONS FOR USE IN OUTDOOR RESIDENTIAL MISTING SYSTEMS:

NOTE: NOT REGISTERED for use in Automatic ULV Spraying Systems in the State of New York.

MGK® PBO 8-E may be mixed only with insecticides that contain either Pyrethrins or Permethrin that are registered for use in outdoor residential misting systems.

When using this product, installers and service technicians must comply with the license, certification, or registration requirement of the state(s), tribe(s), or local authority(ies) where they are installed.

If the system works on an automatic timer, set the timing for application when people, pets, and food are unlikely to be present.

If the system works when a person operates a remote activation device, then application of this pesticide when people, pets, and food are present is prohibited.

Do not use in an evaporative cooling system.

Direct the nozzles to spray toward the target area and away from swimming pools, water bodies, or eating and cooking areas. Do not set nozzles to direct mist near outside air condition systems or other home air intakes.

If used in a system with a reservoir tank for the end use dilution, the system reservoir tank must be locked. Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve. The dilution statement must be phrased as follows: this container holds ___ parts MGK® PBO 8-E to ___ parts water.

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If used in a direct injection system, the pesticide container must be locked. Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve.

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.00058 lbs of piperonyl butoxide per 1000 cubic feet per day or 0.00058 lbs. of piperonyl butoxide per nozzle when nozzles are spaced 10 ft. apart.

RESIDENTIAL MISTING DILUTION RATES:

CONTAINER SIZE	To achieve a dilution rate of 0.09 % use:	To achieve a dilution rate of 0.23% use:	To achieve a dilution rate of 0.55% use:
30 GALLONS	4 fl. oz.	10 fl. oz.	23 fl. oz.
55 GALLONS	7 fl. oz.	17.5 fl. oz.	42 fl. oz.
125 GALLONS	16 fl. oz.	40 fl. oz.	95.5 fl. oz.
225 GALLONS	28.5 fl. oz.	71.5 fl. oz.	172 fl. oz.

For Use on Crops

When tank mixing, always follow the most restrictive labeling of ALL products in the mixture.

MGK® PBO 8-E can be tank mixed with any insecticide product unless prohibited by that insecticide's label.

MGK® PBO 8-E may be used in a tank mix with an insecticide or acaricide on GROWING CROPS (OUTDOORS AND IN GREENHOUSES), as well as in insecticide applications to Dormant Crops.

SPRAY DRIFT MANAGEMENT FOR AGRICULTURE CROPS:

Avoiding spray drift at the application site is the responsibility of the applicator and the grower. The interactions of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Do not apply at wind speeds greater than 10 mph (16 km/h) at the application site. Do not make any type of application into temperature inversions. Apply as a medium or coarser spray (ASABE standard 572).

Additional requirements for aerial applications:

Do not release spray at a height greater than 10 feet above the ground or crop canopy.

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.

Aerial applicators must consider flight speed and nozzle orientation in determining droplet size. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional requirements for ground applications:

During ground applications do not release spray at a height greater than 4 feet above the ground or crop canopy.

Additional requirements for airblast applications:

During airblast applications direct sprays into the canopy. Turn off outward pointing nozzles at row ends and when spraying outer rows.

CROP USE RATES and RESTRICTIONS:

Food Crops grown outdoors or in greenhouses in agricultural settings		
	Maximum Use Rate	Use Restrictions
Field and Orchard Crops	8.0 fl. oz. per acre or 0.20 fl. oz. per 1000 sq. ft.	<ul style="list-style-type: none"> Do not apply more than 10 times per season. Do not reapply within 3 days except under extreme pest pressure. In case of extreme pest pressure, do not reapply within 24 hours. Do not apply to cotton within 14 days of seed harvest. A 10-day water hold is required for all pyrethrins applications when rice fields are flooded.
Hydroponically-grown crops	1.0 ppm a.i. in water	
Greenhouse Space Sprays	0.22 fl. oz. per 10,000 cubic feet	
Greenhouse Surface Sprays	0.20 fl. oz. per 1000 sq. ft.	
Greenhouse Grown Ornamental, Flowering and Foliage Plants		
	Maximum Use Rate	Use Restrictions
Surface Applications	0.58 fl. oz. per 1000 sq. ft. or 24.0 fl. oz. per acre	Do not apply more than 1 time per day.
Space Sprays	0.67 fl. oz. per 10,000 cubic feet	
Forestry	20 fl. oz. per acre	
Sod Farms	16 fl. oz. per acre	

Observing the directions and volume of water on the insecticide label, tank-mix at a rate of 2 to 8 fluid ounces of MGK® PBO 8-E per acre. 8 fluid ounces (1/2 pint) will provide 0.5 lb. of MGK® PBO 8-E active ingredient.

Prior to tank-mix, a compatibility test should be done using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture. The tank mix application should conform to accepted use precautions and directions for both products.

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Mix MGK® PBO 8-E with an insecticide based on the amount of active ingredient. Most insecticides are synergized at the ratio range of 1 to 10 parts MGK® PBO 8-E's active ingredient to 1 part of an insecticide's active ingredient.

One fluid ounce of MGK® PBO 8-E contains 0.0625 pounds of active ingredient. To calculate the fluid ounces of MGK® PBO 8-E to use with a given insecticide, first calculate the amount of active ingredient of the insecticide to be used (in pounds), multiply that amount times the ratio of MGK® PBO 8-E desired (between 1 and 10), then divide that amount by 0.0625.

Equation:
$$(\text{lbs. insecticide a.i.} \times \text{desired ratio of MGK® PBO 8-E}) / 0.0625 = \text{Fluid Ounces of MGK® PBO 8-E required.}$$

In absence of specific data or experience on growing crops and ornamentals (outdoors, in greenhouses or indoors), it is recommended that tank-mixes with MGK® PBO 8-E be tested for any phytotoxicity on a sample of the crop or growing plants prior to use.

Crop Tank Mix Rate Chart:

THE PURPOSE OF THIS CHART IS SOLELY TO RECOMMEND THE RATE OF MGK® PBO 8-E PER VOLUME OF TANKMIX PARTNER. THIS IS NOT A RECOMMENDATION OF TANK-MIX PARTNER USE RATES. PLEASE REFER TO THE MOST CURRENT TANK-MIX PARTNER LABEL TO DETERMINE THE RATE OF THAT SPECIFIC PRODUCT THAT IS APPROPRIATE FOR YOUR APPLICATION.

Tank Mix Partner Chemical Name Example Brand Name	IF Tank Mix Partner Rate per Acre is:	THEN MGK® PBO 8-E Rate per Acre is:	
		Recommended	Maximum
Abamectin 2% a.i. Agri-mek® 0.15 EC	5.0 fl. oz. to 10.0 fl. oz.	2.0 fl. oz.	8.0 fl. oz.
	16.0 fl. oz.	3.0 fl. oz.	
	20.0 fl. oz.	4.0 fl. oz.	
β-cyfluthrin 12.7% a.i. Baythroid® XL	0.8 fl. oz. to 1.6 fl. oz.	2.0 fl. oz.	8.0 fl. oz.
	1.8 fl. oz. to 2.4 fl. oz.	3.0 fl. oz.	
	2.8 fl. oz.	3.5 fl. oz.	
	3.2 fl. oz.	4.0 fl. oz.	
	6.4 fl. oz.	8.0 fl. oz.	
Cyfluthrin 25% a.i. Baythroid® 2	0.80 fl. oz.	2.0 fl. oz.	8.0 fl. oz.
	1.6 fl. oz.	4.0 fl. oz.	
	2.0 fl. oz.	5.0 fl. oz.	
	2.8 fl. oz.	7.0 fl. oz.	
	3.2 fl. oz. to 6.4 fl. oz.	8.0 fl. oz.	
Cyfluthrin 20% a.i. Renounce® 20 WP	1.0 fl. oz.	2.0 fl. oz.	8.0 fl. oz.
	2.0 fl. oz.	4.0 fl. oz.	
	2.5 fl. oz.	5.0 fl. oz.	
	3.0 fl. oz.	6.0 fl. oz.	
	3.5 fl. oz. (259 ml/Ha) 4.0 fl. oz. to 8.0 fl. oz.	7.0 fl. oz. (518 ml/Ha) 8.0 fl. oz.	
Cypermethrin 30.6% a.i. Ammo® 2.5 EC Up-Cyde 2.5 EC	2.0 fl. oz.	6.4 fl. oz.	8.0 fl. oz.
	2.5 fl. oz. to 5.0 fl. oz.	8.0 fl. oz.	
Bifenthrin 10% a.i. Brigade WSB	6.4 fl. oz.	6.4 fl. oz.	8.0 fl. oz.
	8.0 fl. oz. to 32.0 fl. oz.	8.0 fl. oz.	
Bifenthrin 25.1% a.i. Capture® 2EC Brigade® 2EC Bifenthrin 2EC	1.6 fl. oz.	4.0 fl. oz.	8.0 fl. oz.
	2.10 fl. oz.	5.3 fl. oz.	
	2.60 fl. oz.	6.4 fl. oz.	
	3.20 fl. oz. to 32.0 fl. oz.	8.0 fl. oz.	
Esfenvalerate 8.4% a.i. Asana® XL	2.90 fl. oz.	2.4 fl. oz.	8.0 fl. oz.
	4.80 fl. oz.	4.0 fl. oz.	
	5.80 fl. oz.	4.8 fl. oz.	
	8.0 fl. oz.	6.4 fl. oz.	
	9.60 fl. oz. to 14.50 fl. oz.	8.0 fl. oz.	
Fenpropathrin 30.9% a.i. Danitol® 2.4 EC Spray Tame 2.4 EC Spray	5 1/3 fl. oz. to 21 1/3 fl. oz.	8.0 fl. oz.	8.0 fl. oz.
Imidacloprid 17.4% a.i. Provado 1.6	2.0 fl. oz.	4.0 fl. oz.	8.0 fl. oz.
	3.0 fl. oz.	6.0 fl. oz.	
	3.8 fl. oz.	7.6 fl. oz.	
	4.0 fl. oz. to 20.0 fl. oz.	8.0 fl. oz.	
Imidacloprid 75.0% a.i. Provado Solupak 75%	0.8 fl. oz. to 1.0 fl. oz.	8.0 fl. oz.	8.0 fl. oz.
Lambda-cyhalothrin 11% a.i. Warrior®	1.92 fl. oz.	2.4 fl. oz.	8.0 fl. oz.
	2.56 fl. oz.	3.2 fl. oz.	
	3.20 fl. oz.	4.0 fl. oz.	
	3.84 fl. oz.	4.8 fl. oz.	
Methomyl 29% a.i. Lannate® LV	12.0 fl. oz. to 48.0 fl. oz.	8.0 fl. oz.	8.0 fl. oz.

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STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE:

Store in a cool, dry area. Always store pesticides in the original container. Store away from food and pet food.

PESTICIDE DISPOSAL:

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill.

Triple Rinse as follows [for containers of 5 Gallons (18.9 L) or less]: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple Rinse as follows [for containers greater than 5 Gallons (18.9 L)]: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.